

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant:** Shinji Kaneko                   **Examiner:** Unassigned  
**Serial No:** To be assigned                   **Art Unit:** Unassigned  
**Filed:** Herewith                               **Docket:** 17105  
**For:** VARIABLE-SHAPE REFLECTION  
MIRROR AND METHOD OF  
MANUFACTURING THE SAME                   **Dated:** October 15, 2003

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Japanese Patent Application KOKAI Publication No. 2-101402, published April 13, 1990 together with an English language abstract;
2. Japanese Patent Application KOKAI Publication No. 8-334708, published December 17, 1996 together with an English language abstract;

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: October 15, 2003



Thomas Spinelli

3. Grosso, R. P., et al., "The membrane mirror as an adaptive optical element", J. Opt. Soc. Am., Vol. 67, No. 3, pp. 399-406, March 1977; and
4. Koumura, T., et al., "Aberration Reduction of Si Diaphragm Focusing Mirror", the paper of the Japan Society for Precision Engineering, Vol. 61, No. 5, pp. 697-701, 1995.

Applicants are submitting copies of the above-cited references. The relevance of the above-cited references has been described in the specification.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Thomas Spinelli

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**INFORMATION DISCLOSURE CITATION**  
*(Use several sheets if necessary)*

**Docket Number (Optional)**

17105

**Application Num**

## To be assigned

**Applicant(s)**  
**Shinji Kaneko**

**Filing Date**

## **Herewith**

## **Group Art Unit**

## Unassigned

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	2-101402	4/13/1990	Japan			✓	
	8-334708	12/17/1996	Japan			✓	

**OTHER DOCUMENTS** (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	<b>Grosso, R. P., et al., "The membrane mirror as an adaptive optical element", J. Opt. Soc. Am., Vol. 67, No. 3, pp. 399-406, March 1977</b>
	<b>Koumura, T., et al., "Aberration Reduction of Si Diaphragm Focusing Mirror", the paper of the Japan Society for Precision Engineering, Vol. 61, No. 5, pp. 697-701, 1995</b>

EXAMINER

**DATE CONSIDERED**

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.